

To: Pierce, Maggie[Pierce.Maggie@epa.gov]; Spence, Sandra[Spence.Sandra@epa.gov]; Hermann, Karl[Hermann.Karl@epa.gov]; Garcia, Bert[Garcia.Bert@epa.gov]; Wall, Dan[wall.dan@epa.gov]
From: Merritt, Steven
Sent: Tue 11/3/2015 9:37:17 PM
Subject: Fwd: Sampling Sites and Sampling Matrix
[0001-1510-02 GKM LTM SAP-QAPP 110315.pdf](#)
[ATT00001.htm](#)

Steven B. Merritt, CIH

Industrial Hygienist / Federal On-Scene Coordinator

U.S. Environmental Protection Agency Region 8

[1595 Wynkoop ST](#) (8EPR-ER)

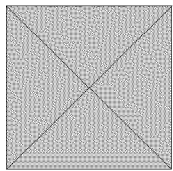
[Denver, CO 80202-1129](#)

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[303-775-7226](#) - Mobile

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Merritt.Steven@epa.gov



Sent from my iPhone...

Begin forwarded message:

From: "Blanchard, Mark R." <M.Blanchard@WestonSolutions.com>
Date: November 3, 2015 at 2:29:04 PM MST
To: "Merritt, Steven" <Merritt.Steven@epa.gov>
Cc: "Robinson, David" <David.Robinson@WestonSolutions.com>, "West, John" <John.West@WestonSolutions.com>, "Bryniarski, Jeff" <Jeff.Bryniarski@WestonSolutions.com>
Subject: RE: Sampling Sites and Sampling Matrix

Steve,

Attached is the Draft Final version of the QAPP that includes the change from SJIN to SJCH as well as the updated NRSA biologic sampling reference/SOP. With respect to locations, on Worksheet 18 we added a caveat that should cover the contingency of making field changes to locations.

Thanks,

Mark

Mark Blanchard

m.blanchard@westonsolutions.com

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

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303.882.2083 - cell

www.westonsolutions.com

From: Merritt, Steven [<mailto:Merritt.Steven@epa.gov>]

Sent: Monday, November 02, 2015 5:26 PM

To: Blanchard, Mark R.

Cc: Robinson, David; West, John; Bryniarski, Jeff

Subject: Re: Sampling Sites and Sampling Matrix

No, you can leave them in, but remove SJIN as it is inaccessible and replace that with Clay Hills, which is now denoted SJCH, getting the GPS location from Jeff. We're going to use this QAPP for the event last week, and for any fall NM/NN event to follow.

Sorry for the confusion.

Steven B. Merritt, CIH

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On Nov 2, 2015, at 5:23 PM, Blanchard, Mark R. <M.Blanchard@WestonSolutions.com> wrote:

Steve,

Just to be clear – you want to remove the sites that ended up not being sampled? I'll confirm with John and Jeff and we'll make that modification.

Thanks,

Mark

Mark Blanchard

m.blanchard@westonsolutions.com

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From: Merritt, Steven [<mailto:Merritt.Steven@epa.gov>]

Sent: Monday, November 02, 2015 1:54 PM

To: Blanchard, Mark R.

Cc: Robinson, David; West, John; Bryniarski, Jeff

Subject: Re: Sampling Sites and Sampling Matrix

Gentlemen,

Can you get me a draft final version of the QAPP based upon what we did last week?
We need to get this to NN and NM before we launch again...

Thanks.

Steven B. Merritt, CIH

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On Oct 28, 2015, at 8:57 AM, Blanchard, Mark R.
<M.Blanchard@WestonSolutions.com> wrote:

Steve,

Thanks for sending these. I compared these updated lists to what we had before (which is what the QAPP printed on Friday reflects). There are three sites added: ADW-021, FW-012, and LVW-020.

All three of these are listed for both water and sediment samples, but not macros.

We will add these to worksheet 18 of the QAPP.

Thanks,

Mark

Mark Blanchard

m.blanchard@westonsolutions.com

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From: Merritt, Steven [<mailto:Merritt.Steven@epa.gov>]

Sent: Wednesday, October 28, 2015 7:16 AM

To: Robinson, David; West, John; Blanchard, Mark R.; Bryniarski, Jeff

Subject: Fwd: Sampling Sites and Sampling Matrix

Steven B. Merritt, CIH

Industrial Hygienist / Federal On-Scene Coordinator

U.S. Environmental Protection Agency Region 8

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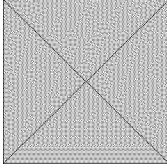
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Merritt.Steven@epa.gov



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Begin forwarded message:

From: "Hermann, Karl" <Hermann.Karl@epa.gov>
Date: October 27, 2015 at 8:17:09 AM MDT
To: "Merritt, Steven" <Merritt.Steven@epa.gov>
Cc: "Spence, Sandra" <Spence.Sandra@epa.gov>, "Pierce, Maggie" <Pierce.Maggie@epa.gov>
Subject: RE: Sampling Sites and Sampling Matrix

Steve,

The updated files are attached.

Note that we can get or interpolate discharge for the NM Animas sites from the two USGS real-time flow gages at both ends.

Previously, we had a USGS gage identified for site SJFP. It is a distance from the two San Juan gages so, it might be good to measure discharge there. However, we could interpolate for it.

Yes, we have boatable and wadeable, and then the reality of the field is that it is in between, neither wadeable nor boatable.

~~~~~  
Karl A. Hermann

Monitoring and Assessment

Water Quality Unit, Region 8

U.S. Environmental Protection Agency

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[hermann.karl@epa.gov](mailto:hermann.karl@epa.gov)

**From:** Merritt, Steven

**Sent:** Tuesday, October 27, 2015 7:49 AM

**To:** Hermann, Karl

**Subject:** Re: Sampling Sites and Sampling Matrix

Karl, can you update this document to reflect the NM additions?

Sampling went well yesterday, but flows on the lower San Juan were higher than anticipated but not sufficient to get a boat on, so that hampered things. Additionally, we didn't have success with the ADCP.

Got the Silverton sites and all but the Bluff site done in UT and Four Corners. Doing Durango today and Lake Powell. Converging for northern NM tomorrow.

Steven B. Merritt, CIH

Industrial Hygienist / Federal On-Scene Coordinator

U.S. Environmental Protection Agency Region 8



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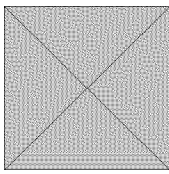
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On Oct 21, 2015, at 12:17 PM, Hermann, Karl <[Hermann.Karl@epa.gov](mailto:Hermann.Karl@epa.gov)> wrote:

Steve,

Attached is an updated doc file of the sites to be sampled (blue siteIDs) and the sampling to be done at each site (blue X). I've also attached a spreadsheet update of the sampling sites (siteIDs in orange for sites to be sampled) with coordinates. I don't have coordinates for SJAR, which is the new site on the San Juan River, just upstream of the Animas.

~~~~~  
Karl A. Hermann

Monitoring and Assessment

Water Quality Unit, Region 8

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hermann.karl@epa.gov

<GKM Fall 2015 Sampling Summary_102115.docx>

<Post_incident_sampling_sites_102115.xls>

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